

FACILITY DATA PLANNING GUIDE
MC3400A SERIES - 70-350kVA UPS (480V INPUT, 480V OUTPUT)

Output Power Rating		UPS Input (480V)							Battery System		AC Output (480V)			Mechanical Information (UPS Only)				
kVA	kW	VAC	Nominal input power	Maximum input power	Nominal input current	Maximum input current	Min. Input wire gauge (AWG or kcmil)	External Overcurrent Protection	Nominal Voltage	Maximum Discharge (ADC)	Nominal current	Min. wire gauge (AWG or kcmil)	External Overcurrent Protection	Dimensions (") W x D x H	Weight	Floor Loading	Heat Rejection	Cooling Air
70kVA	70 kW	480 VAC	74	84 kW	84 A.	110 A.	3	110 A.	480 VDC	146	84 A.	4	90A	23.6 x 43.3 x 79.1	753 lbs	40.77 lbs. / in. ²	11908	531 CFM
140kVA	140 kW	480 VAC	147	168 kW	168 A.	220 A.	3/0	225 A.	480 VDC	292	168 A.	2/0	175 A.	23.6 x 43.3 x 79.1	846 lbs	45.78 lbs. / in. ²	23816	1,062 CFM
210kVA	210 kW	480 VAC	221	253 kW	253 A.	330 A.	350	350 A.	480 VDC	438	253 A.	4/0	250 A.	23.6 x 43.3 x 79.1	938 lbs	50.79 lbs. / in. ²	35724	1,593 CFM
280kVA	280 kW	480 VAC	284	337 kW	337 A.	440 A.	600	450 A.	480 VDC	583	337 A.	350	350 A.	23.6 x 43.3 x 79.1	1,031 lbs	55.79 lbs. / in. ²	47632	2,124 CFM
Notes:					1	2	3,4,8,10,A,B	4,7,11	5,12	6,10	1		4,7,11					

Notes:

- 1 Nominal (Nom.) current based on rated load
 - 2 Maximum (Max.) current based on 384V (@ 100% load) input voltage
 - 3 Input and output cables typically run in separate conduits
 - 4 If initial load is less than UPS rated output, it is recommended that AC input, battery, and AC output wiring and overcurrent protection be sized to UPS full load rating to accommodate possible future expansion,
 - 5 Nominal battery voltage - (2.0 volts/cell, cutoff 1.7 volts/cell),
 - 6 If user provided DC cables should be sized for not more than a 2.0% line drop at maximum,
 - 7 AC output overcurrent protection based on continuous full load current per NEC 210-20,
 - 8 Wiring will be in accordance and applicable to the national and/or local electrical codes.
 - 9 Minimum access to unit clearance based on UPS Owners Manual,
 - 10 Control and power wiring to be separated in separate conduit,
 - 11 Nominal (normal average) output current based on matching AC input / output voltages,
 - 12 480 VDC with Neutral (20 + 20),
- A Consult local authorities for possible variations to the electrical codes,
 B User to consult with engineering services to ensure cable sizes and overcurrent protection devices

* All UPS calculations have been derived using 25 degree operating temperature

** or equivalent parallel conductors

UPS Connections:

50-100 = M10 bolt

